

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035701.D
 Acq On : 16 May 2023 19:09
 Operator : JC/MD
 Sample : 02615-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 003-3

Quant Time: May 17 05:35:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

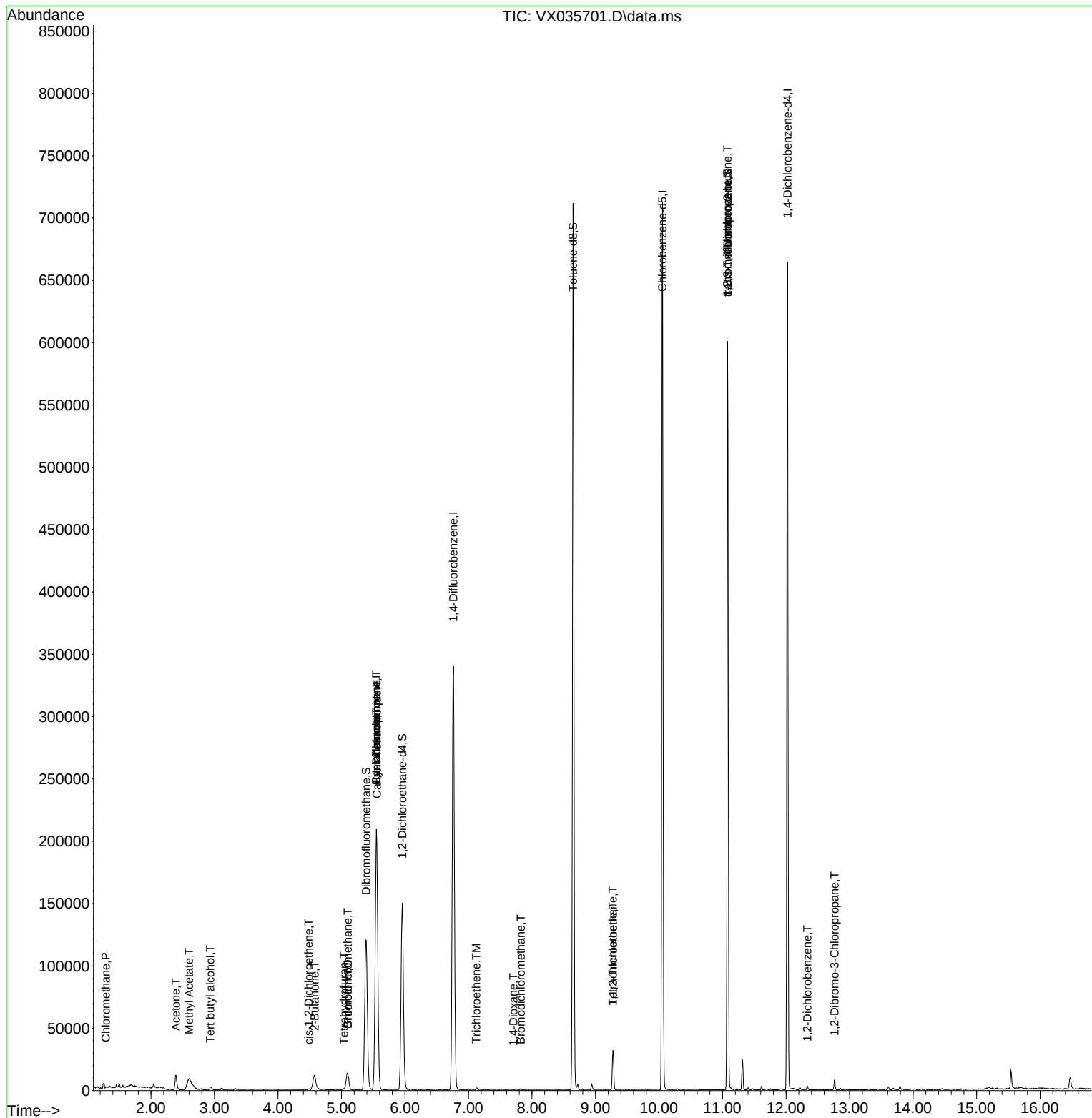
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	174247	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	324238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	298106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150132	49.389	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.780%
35) Dibromofluoromethane	5.385	113	105587	48.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	8.647	98	391371	48.449	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	158152	48.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.240%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	616	0.224	ug/l	# 77
11) Tert butyl alcohol	2.934	59	1769	3.299	ug/l	# 73
16) Acetone	2.392	43	15804	12.096	ug/l	90
18) Methyl Acetate	2.599	43	6082	1.262	ug/l	# 53
25) 2-Butanone	4.574	43	1518	0.839	ug/l	# 74
27) cis-1,2-Dichloroethene	4.483	96	567	0.222	ug/l	86
28) Bromochloromethane	5.099	49	1468	0.750	ug/l	# 15
29) Tetrahydrofuran	5.038	42	765	0.673	ug/l	# 66
30) Chloroform	5.099	83	16967	3.804	ug/l	93
31) Cyclohexane	5.550	56	4974	1.295	ug/l	# 12
36) 1,1-Dichloropropene	5.550	75	17598	5.099	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	20389	6.236	ug/l	# 15
44) Trichloroethene	7.123	130	693	0.283	ug/l	60
47) Bromodichloromethane	7.824	83	833	0.246	ug/l	# 88
49) 1,4-Dioxane	7.708	88	172	4.502	ug/l	# 61
55) 1,1,2-Trichloroethane	9.275	97	518	0.216	ug/l	# 15
64) Tetrachloroethene	9.275	164	1087	0.542	ug/l	# 77
76) 1,2,3-Trichloropropane	11.079	75	88118	28.149	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	88118	90.720	ug/l	# 8
91) 1,2-Dichlorobenzene	12.335	146	1021	0.224	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.762	75	225	0.289	ug/l	# 5

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

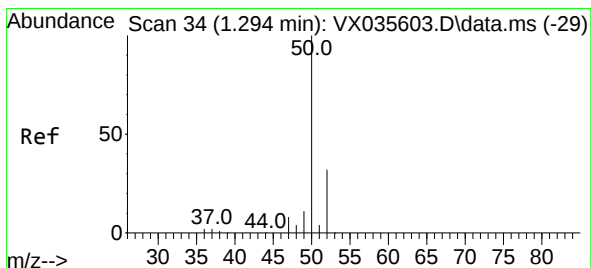
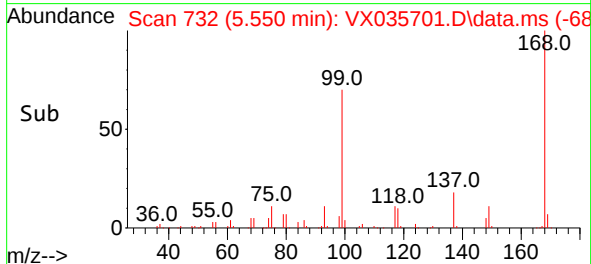
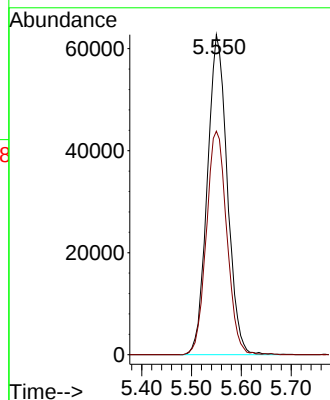
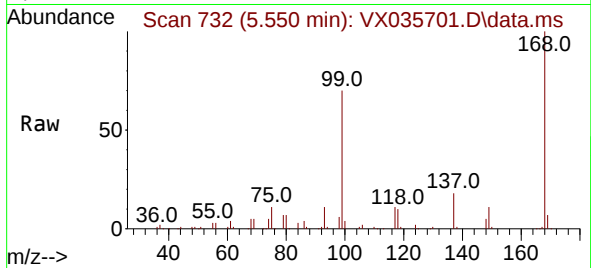




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

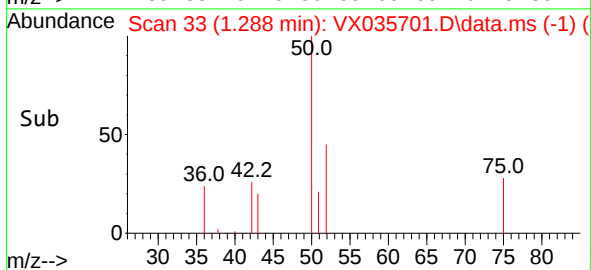
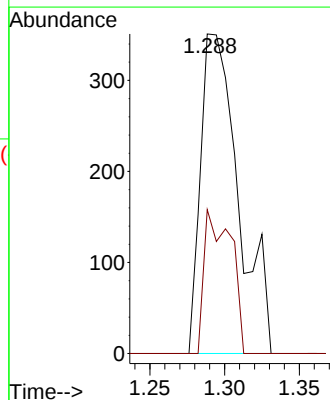
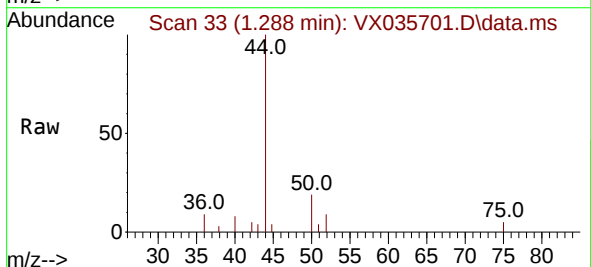
Instrument :
MSVOA_X
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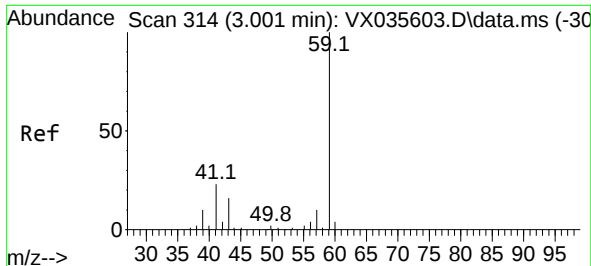
Tgt Ion:168 Resp: 174247
Ion Ratio Lower Upper
168 100
99 69.9 45.7 68.5#



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 45.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 3.299 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.067 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

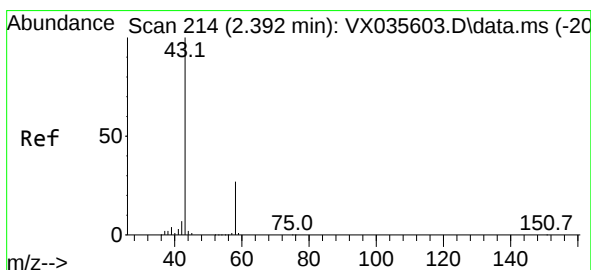
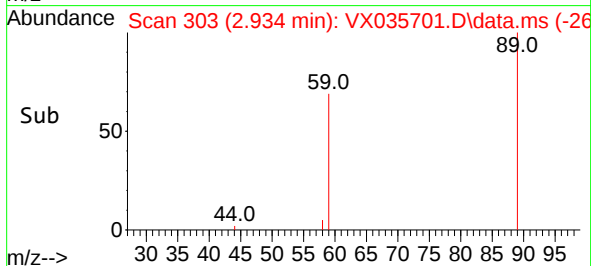
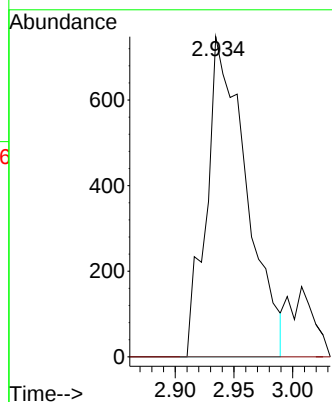
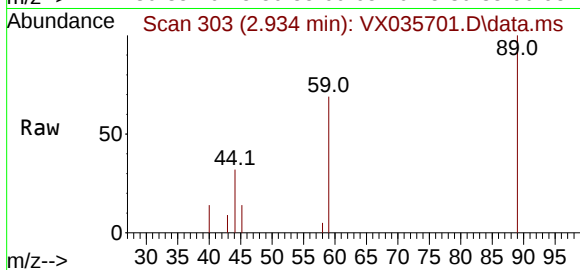
003-3

Tgt Ion: 59 Resp: 1769

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 12.096 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX035701.D

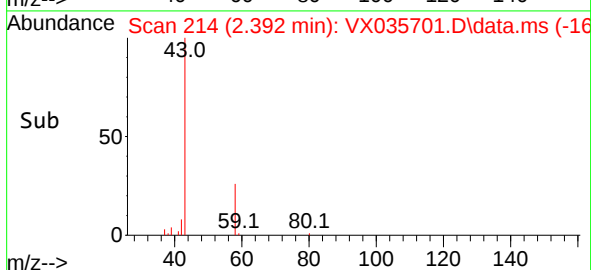
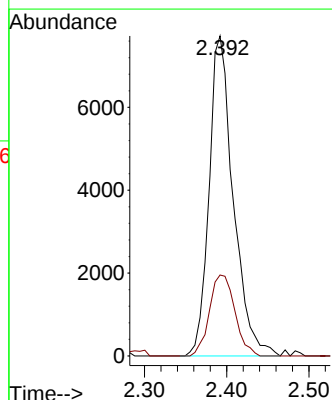
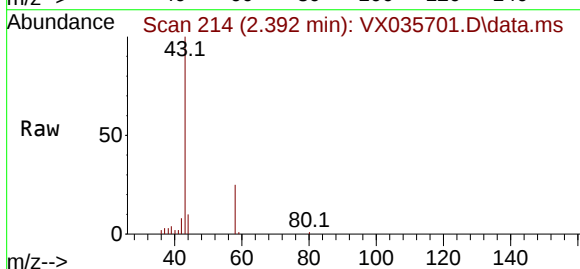
Acq: 16 May 2023 19:09

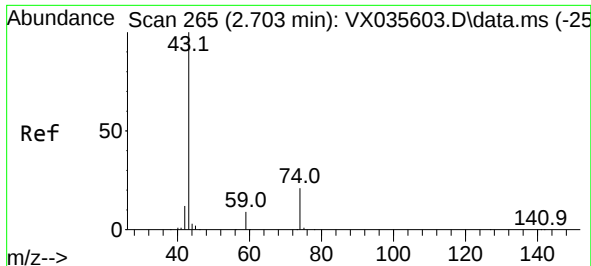
Tgt Ion: 43 Resp: 15804

Ion Ratio Lower Upper

43 100

58 25.3 24.7 37.1

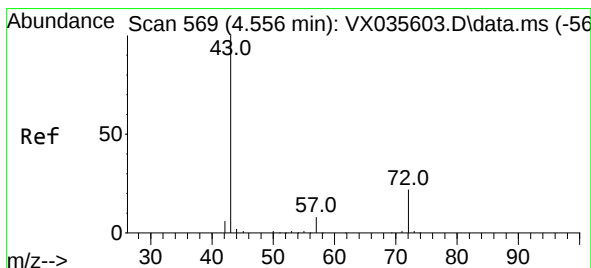
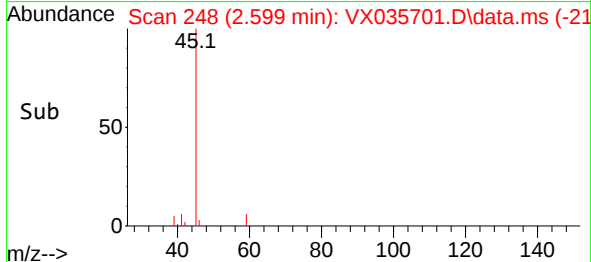
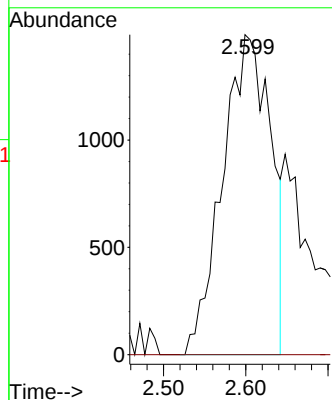
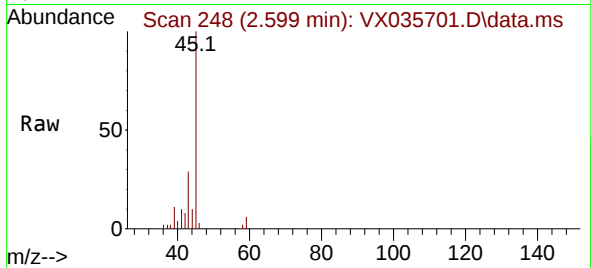




#18
Methyl Acetate
Concen: 1.262 ug/l
RT: 2.599 min Scan# 24
Delta R.T. -0.104 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

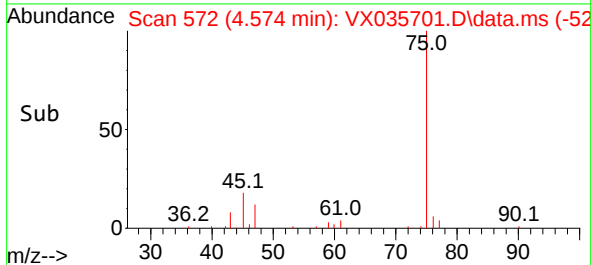
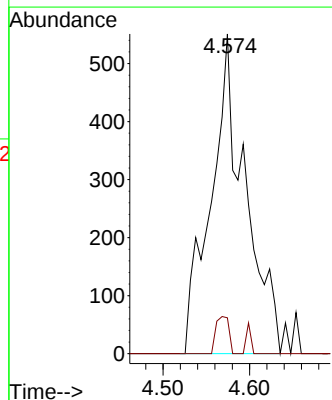
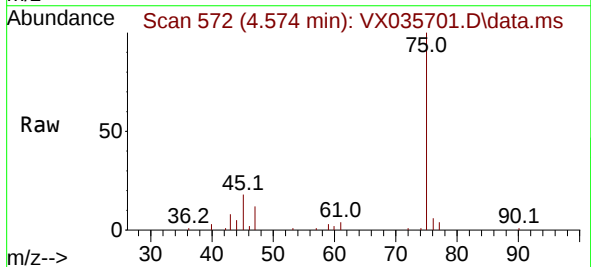
Instrument :
MSVOA_X
ClientSampleId :
003-3

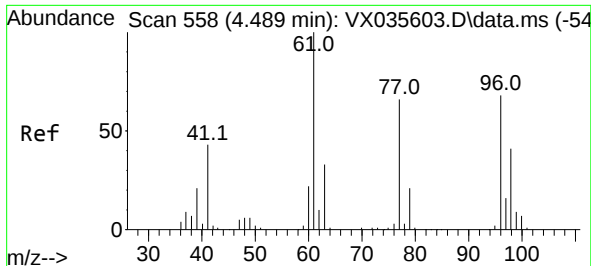
Tgt Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#25
2-Butanone
Concen: 0.839 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
72 11.3 19.3 28.9#





#27

cis-1,2-Dichloroethene

Concen: 0.222 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3

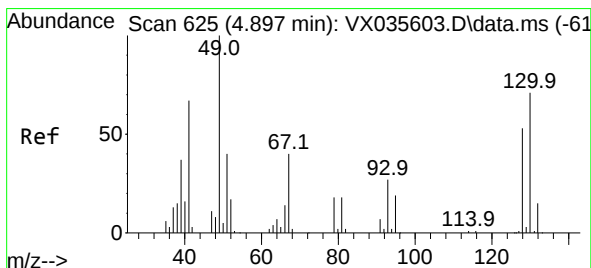
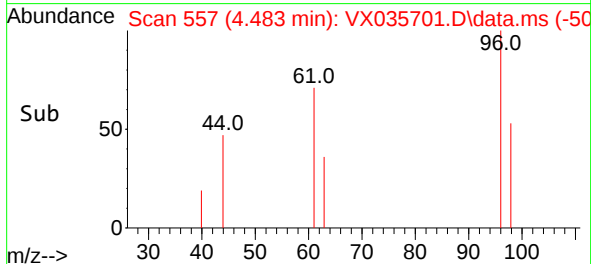
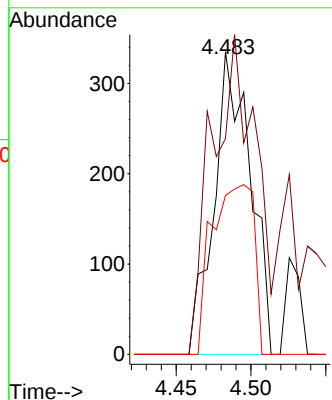
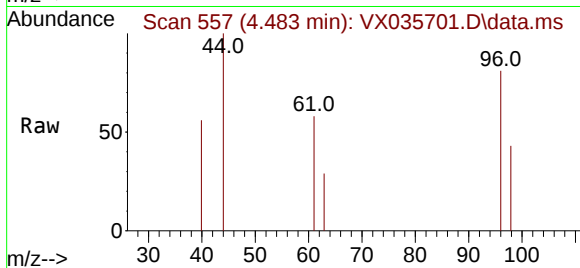
Tgt Ion: 96 Resp: 567

Ion Ratio Lower Upper

96 100

61 126.1 0.0 300.4

98 65.3 0.0 129.0



#28

Bromochloromethane

Concen: 0.750 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.202 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

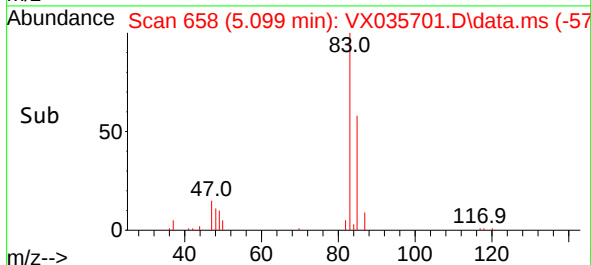
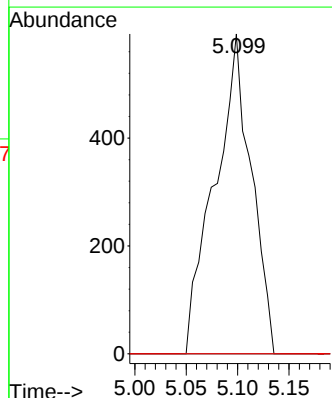
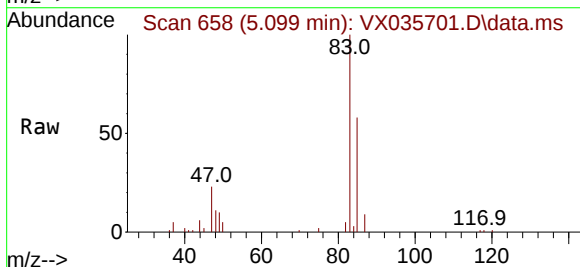
Tgt Ion: 49 Resp: 1468

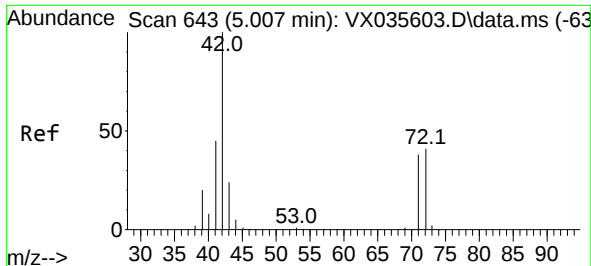
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#





#29

Tetrahydrofuran

Concen: 0.673 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3

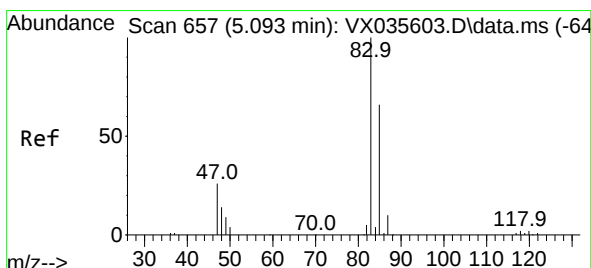
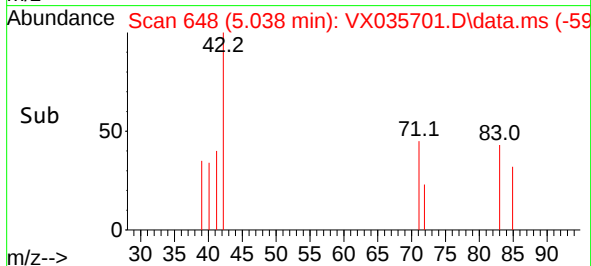
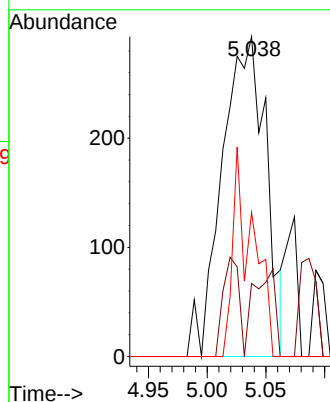
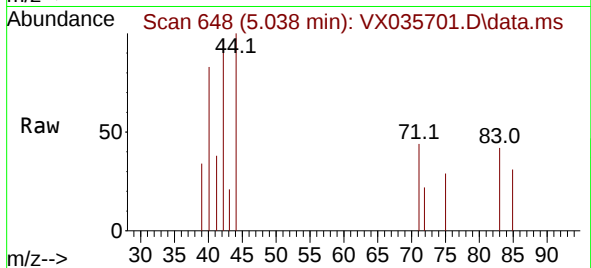
Tgt Ion: 42 Resp: 765

Ion Ratio Lower Upper

42 100

72 11.1 34.5 51.7#

71 29.8 32.1 48.1#



#30

Chloroform

Concen: 3.804 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX035701.D

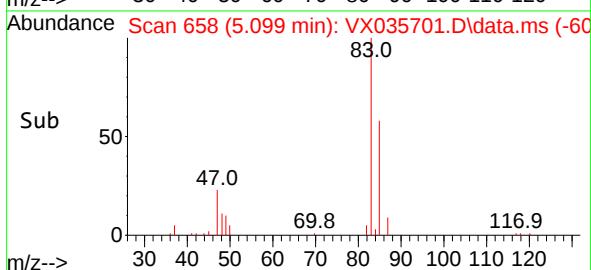
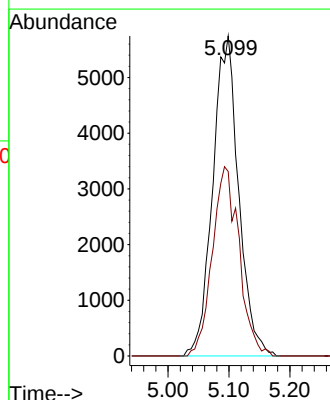
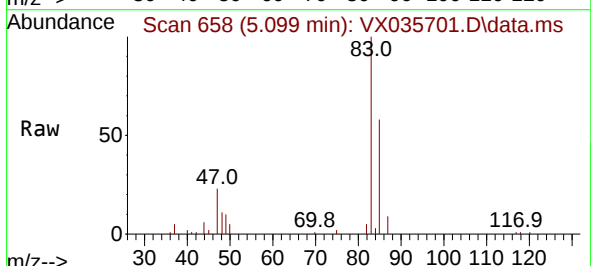
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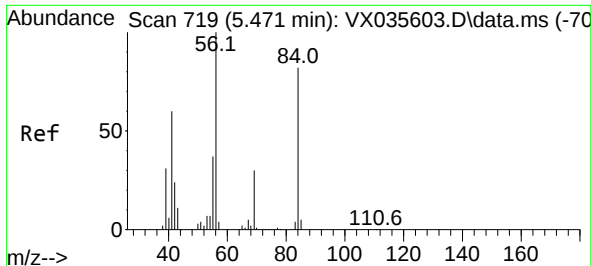
Tgt Ion: 83 Resp: 16967

Ion Ratio Lower Upper

83 100

85 57.7 50.6 76.0

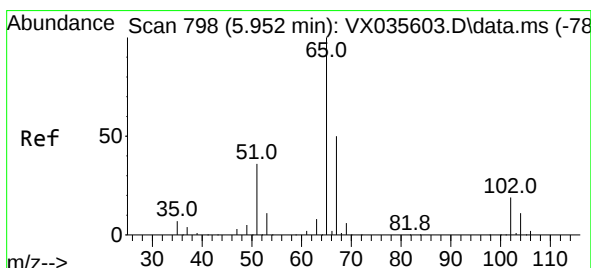
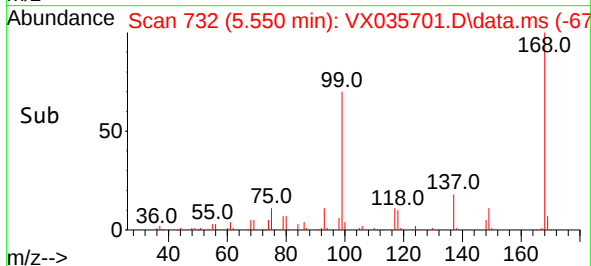
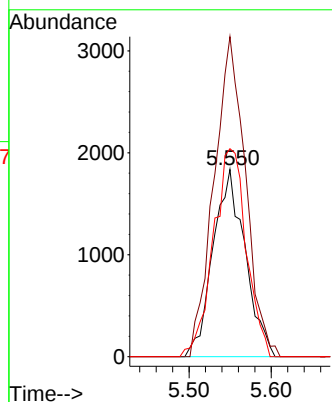
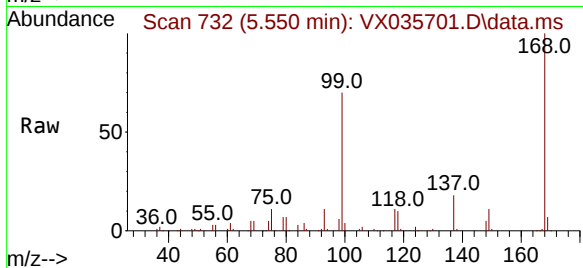




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

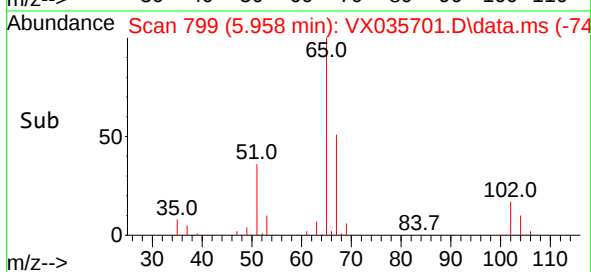
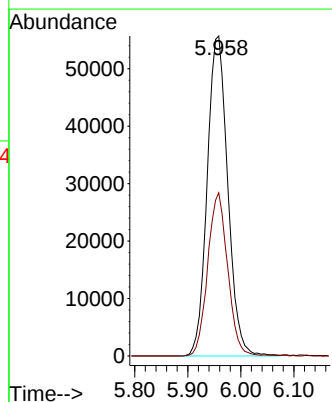
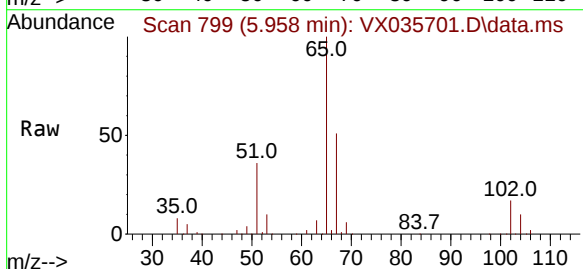
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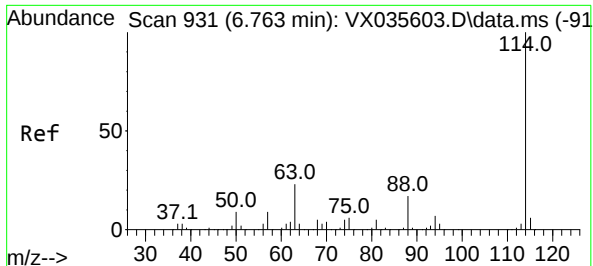
Tgt Ion: 56 Resp: 4974
Ion Ratio Lower Upper
56 100
69 170.9 23.7 35.5#
84 111.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 49.389 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion: 65 Resp: 150132
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.0

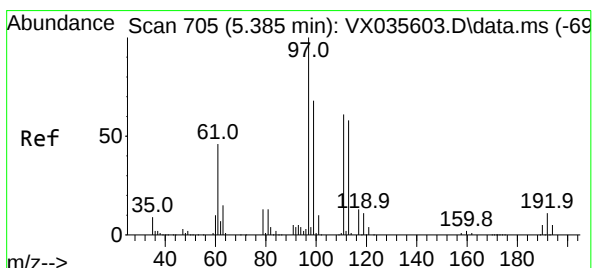
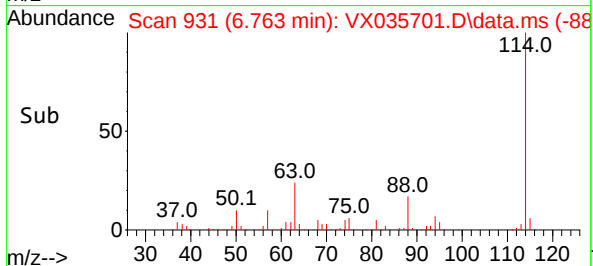
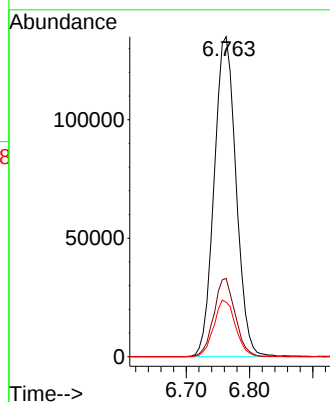
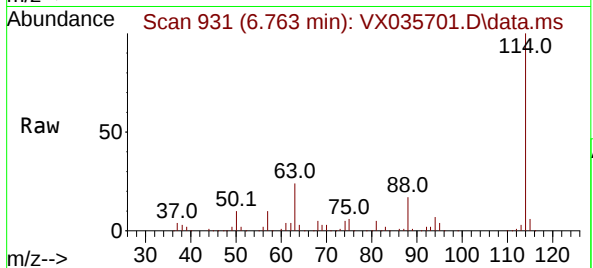




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

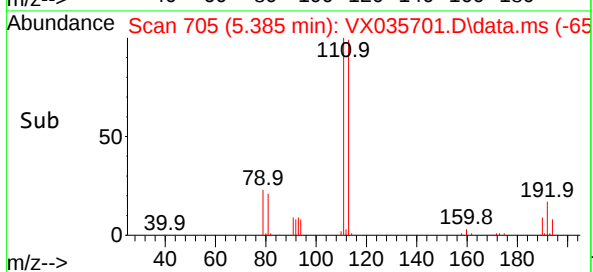
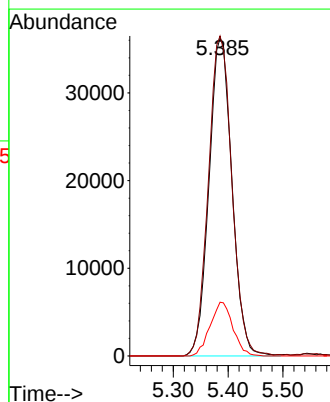
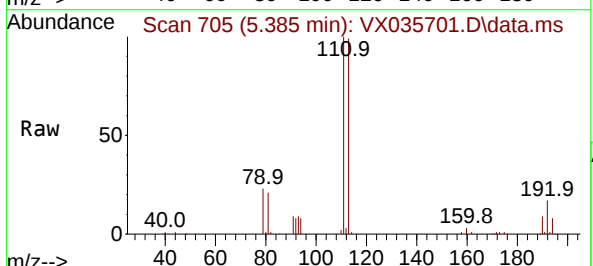
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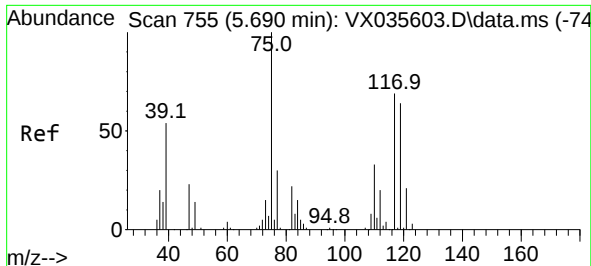
Tgt Ion:114 Resp: 324238
Ion Ratio Lower Upper
114 100
63 24.5 0.0 42.2
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.287 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion:113 Resp: 105587
Ion Ratio Lower Upper
113 100
111 102.7 83.7 125.5
192 16.8 15.4 23.2

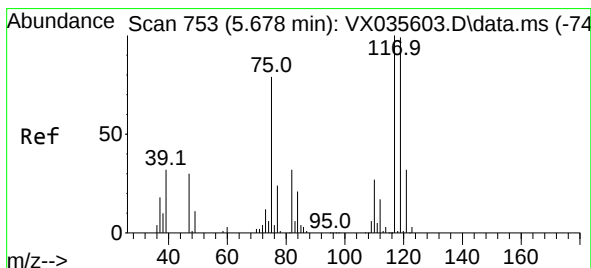
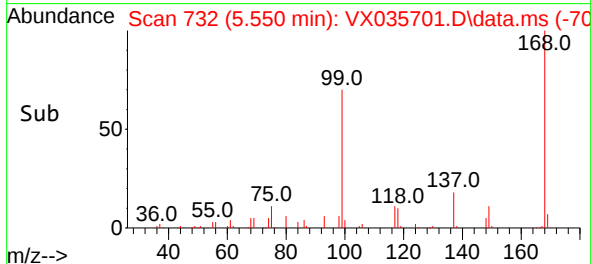
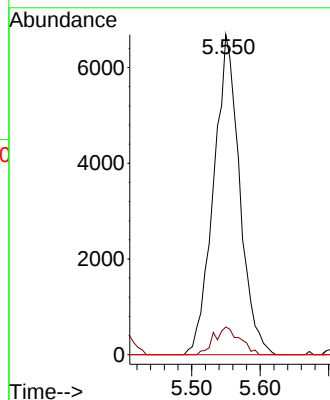
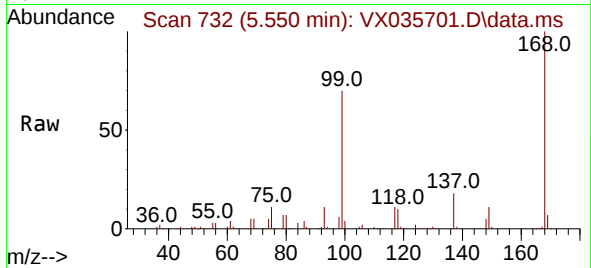




#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX035701.D
 Acq: 16 May 2023 19:09

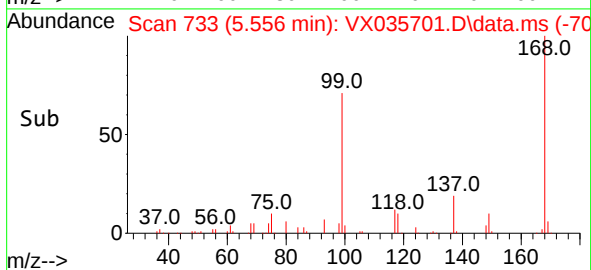
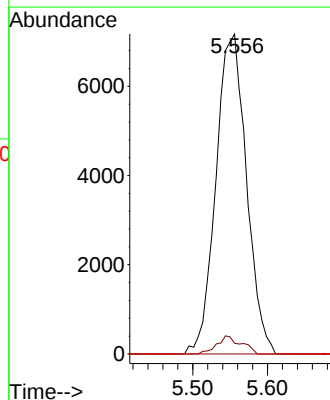
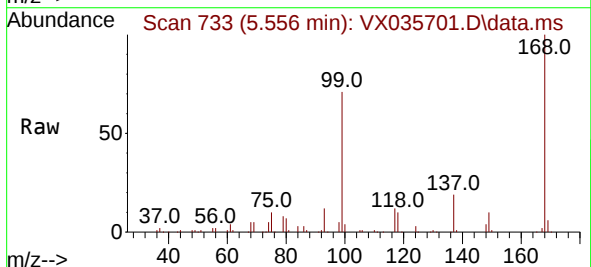
Instrument :
 MSVOA_X
 ClientSampleId :
 003-3

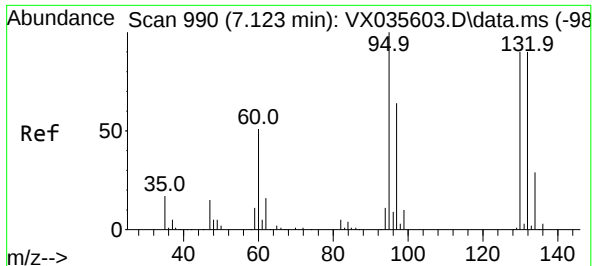
Tgt Ion: 75 Resp: 17598
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.5 52.5#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.122 min
 Lab File: VX035701.D
 Acq: 16 May 2023 19:09

Tgt Ion: 117 Resp: 20389
 Ion Ratio Lower Upper
 117 100
 119 3.4 76.6 114.8#
 121 0.0 23.8 35.6#

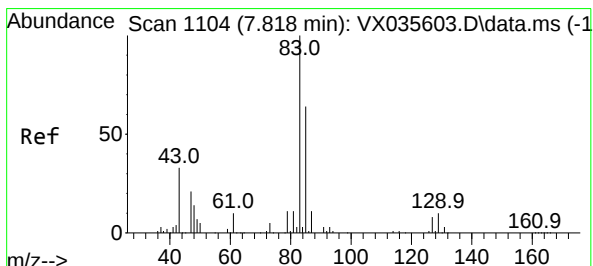
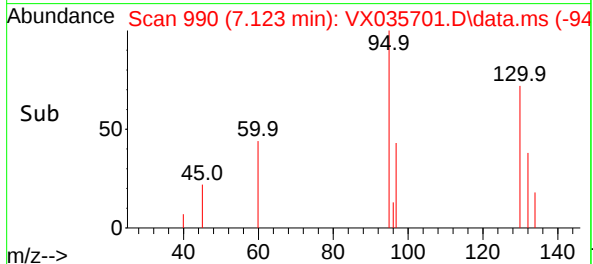
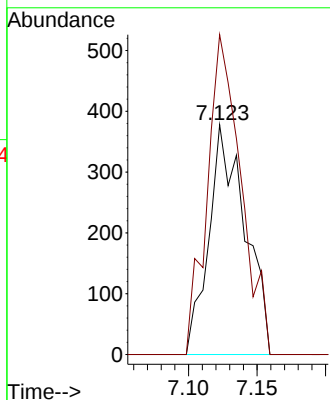
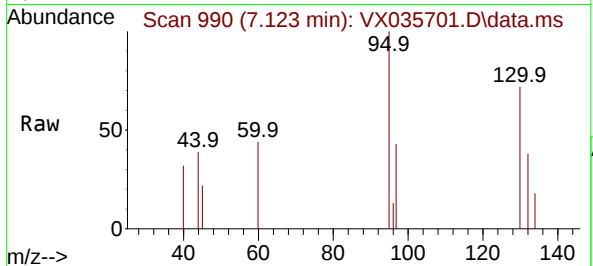




#44
Trichloroethene
Concen: 0.283 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

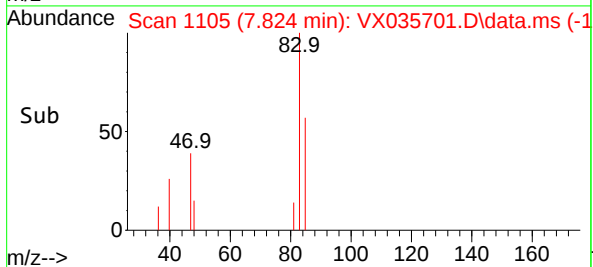
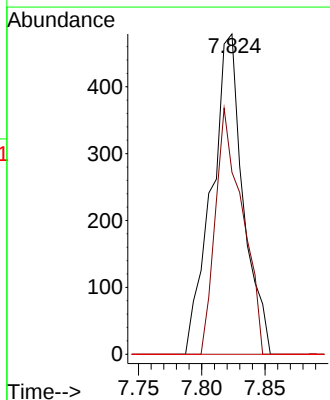
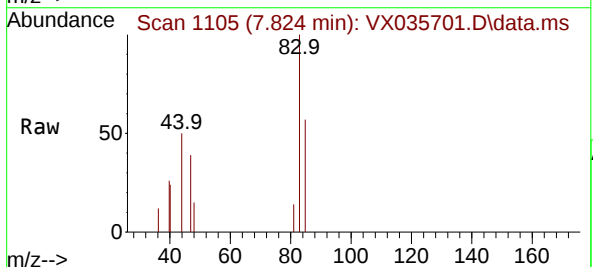
Instrument :
MSVOA_X
ClientSampleId :
003-3

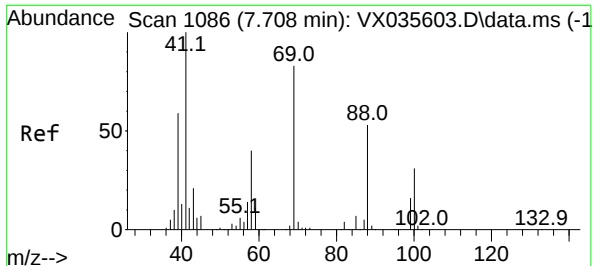
Tgt Ion:130 Resp: 693
Ion Ratio Lower Upper
130 100
95 139.2 0.0 198.4



#47
Bromodichloromethane
Concen: 0.246 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion: 83 Resp: 833
Ion Ratio Lower Upper
83 100
85 56.8 52.2 78.4
127 0.0 6.6 9.8#





#49

1,4-Dioxane

Concen: 4.502 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. -0.000 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3

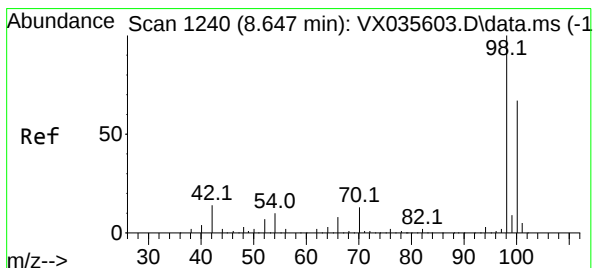
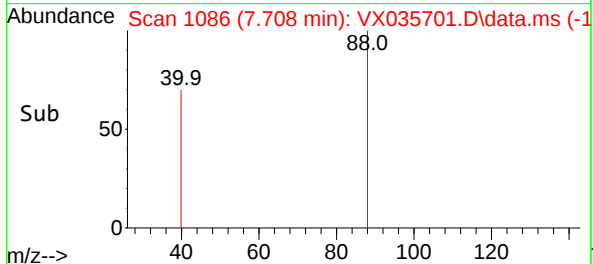
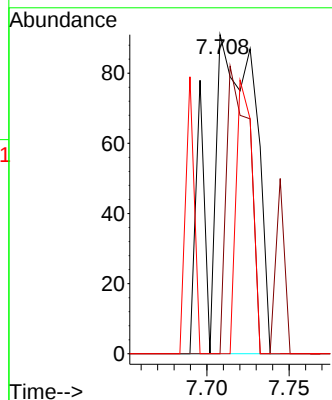
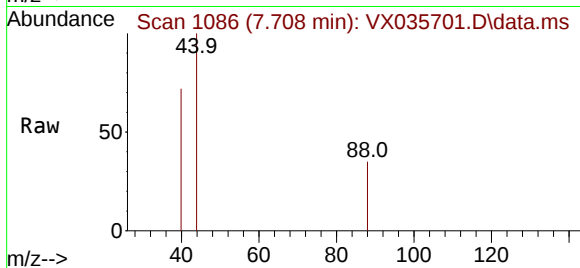
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 45.9 27.7 41.5#

58 30.8 56.8 85.2#



#50

Toluene-d8

Concen: 48.449 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035701.D

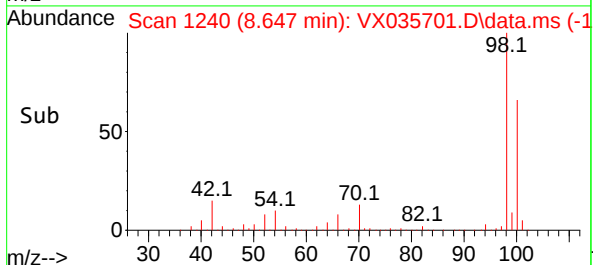
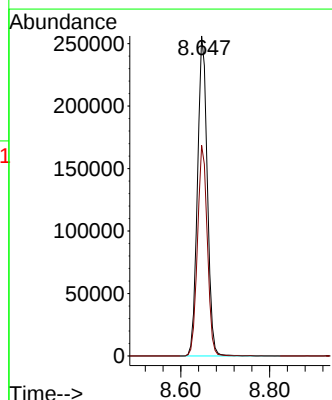
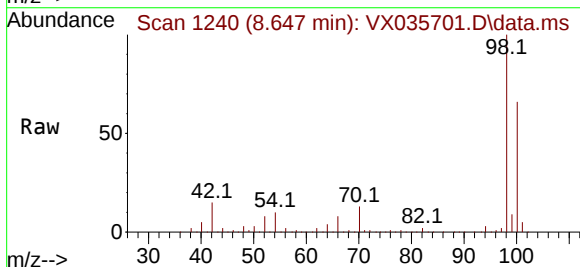
Acq: 16 May 2023 19:09

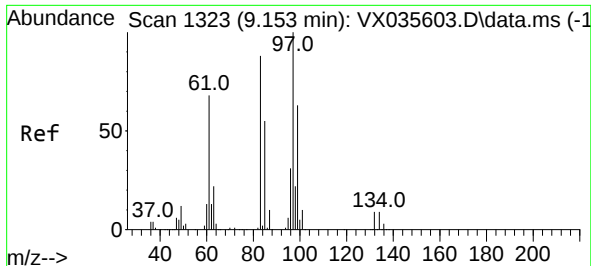
Tgt Ion: 98 Resp: 391371

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#55

1,1,2-Trichloroethane

Concen: 0.216 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3

Tgt Ion: 97 Resp: 518

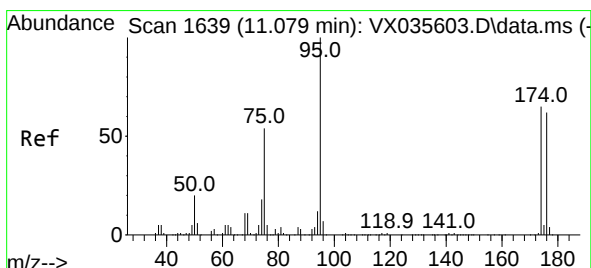
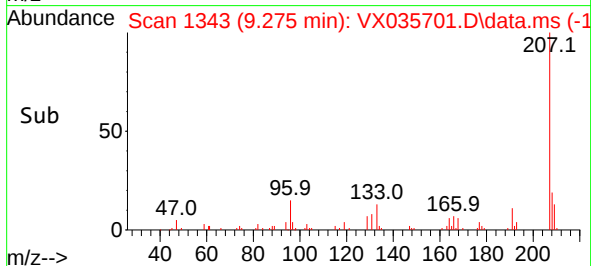
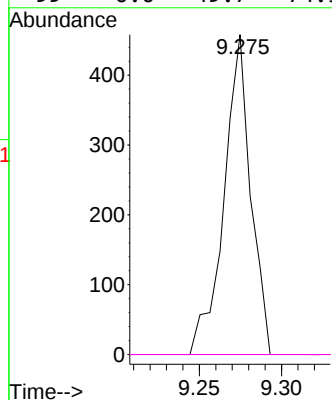
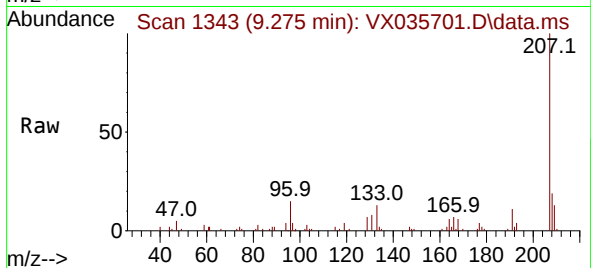
Ion Ratio Lower Upper

97 100

83 0.0 69.7 104.5#

85 0.0 43.7 65.5#

99 0.0 49.7 74.5#



#62

4-Bromofluorobenzene

Concen: 48.624 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

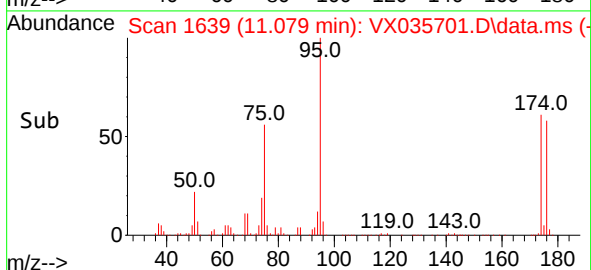
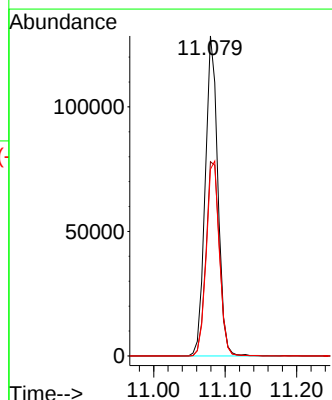
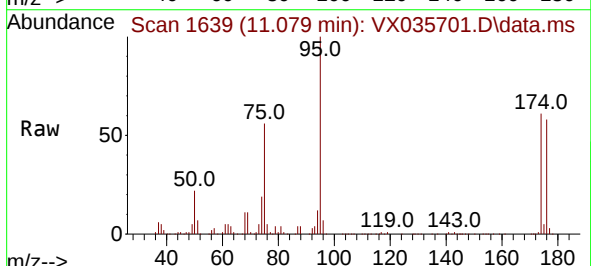
Tgt Ion: 95 Resp: 158152

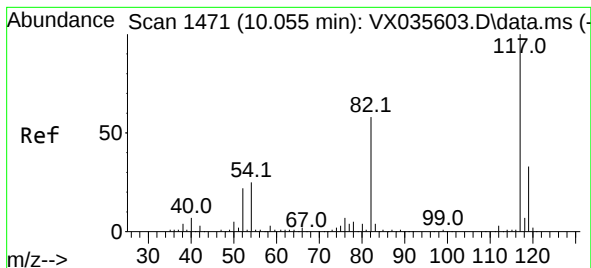
Ion Ratio Lower Upper

95 100

174 64.2 0.0 147.4

176 63.0 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3

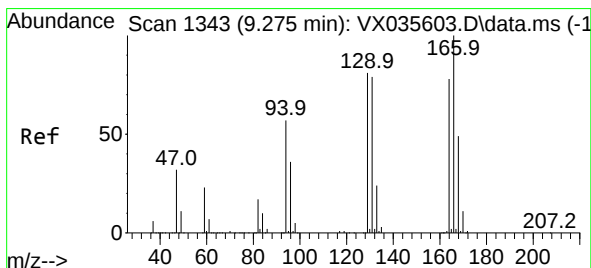
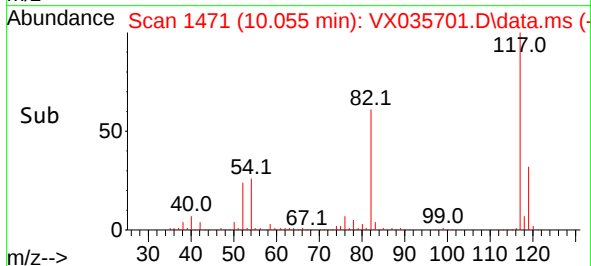
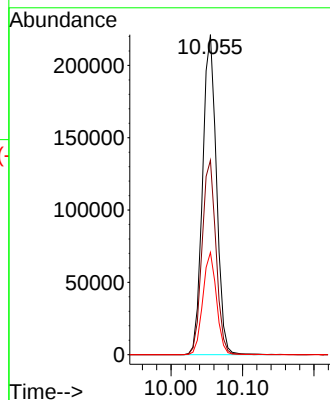
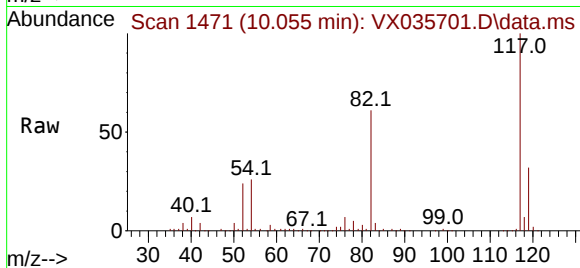
Tgt Ion:117 Resp: 298106

Ion Ratio Lower Upper

117 100

82 60.7 45.0 67.4

119 32.0 26.0 39.0



#64

Tetrachloroethene

Concen: 0.542 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX035701.D

Acq: 16 May 2023 19:09

Tgt Ion:164 Resp: 1087

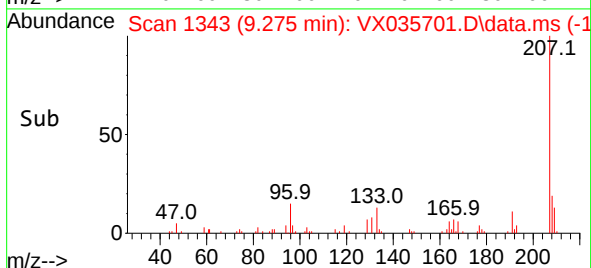
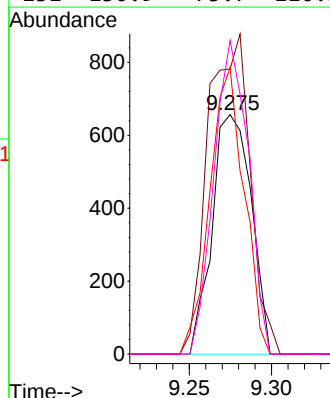
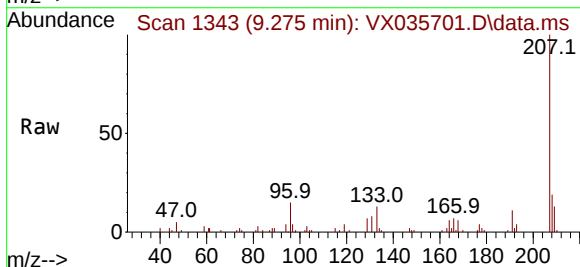
Ion Ratio Lower Upper

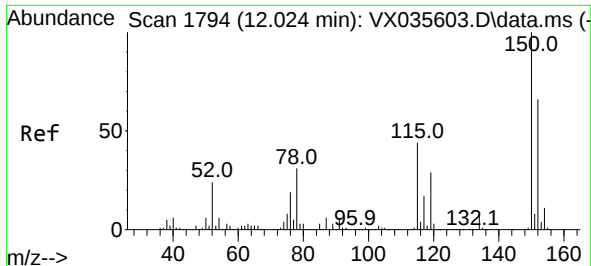
164 100

166 119.0 102.7 154.1

129 119.6 75.6 113.4#

131 130.9 73.7 110.5#

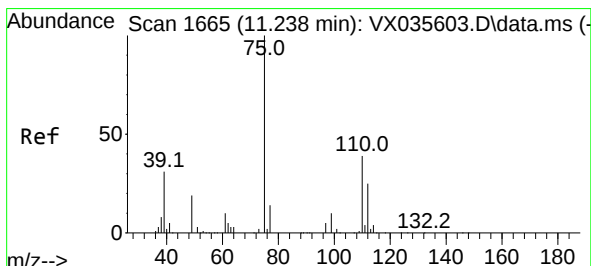
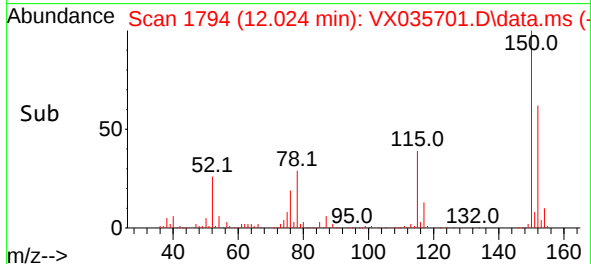
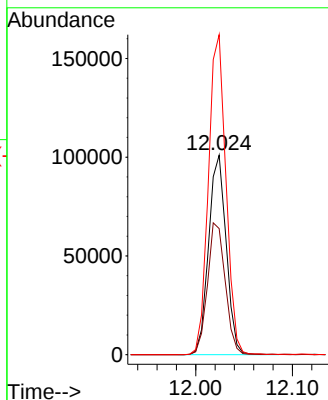
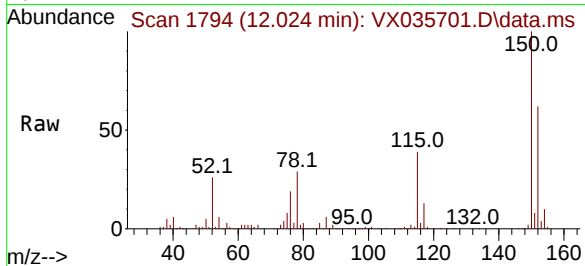




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035701.D
 Acq: 16 May 2023 19:09

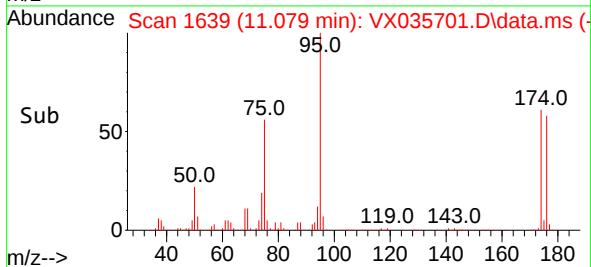
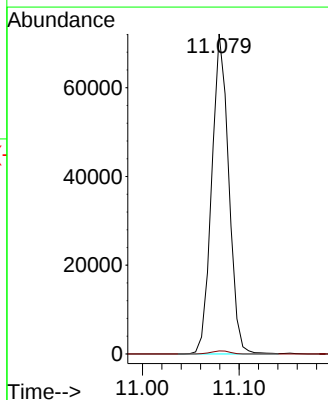
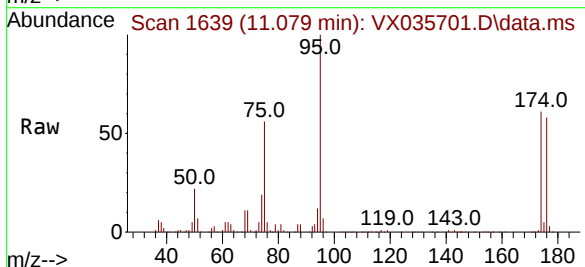
Instrument :
 MSVOA_X
 ClientSampleId :
 003-3

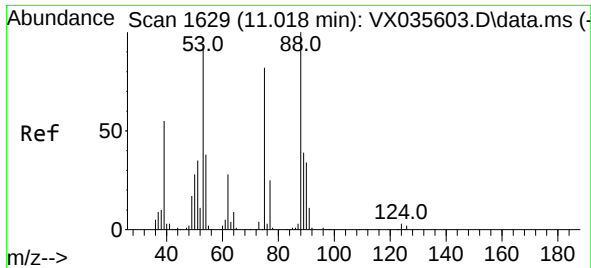
Tgt Ion:152 Resp: 127979
 Ion Ratio Lower Upper
 152 100
 115 66.8 45.0 135.0
 150 159.8 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 28.149 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035701.D
 Acq: 16 May 2023 19:09

Tgt Ion: 75 Resp: 88118
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#

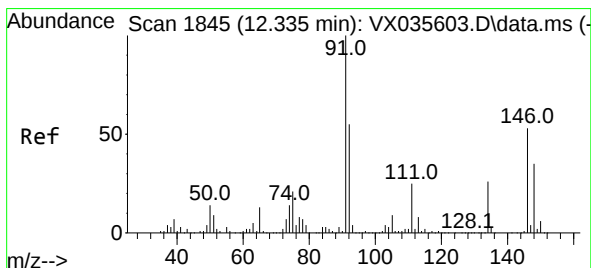
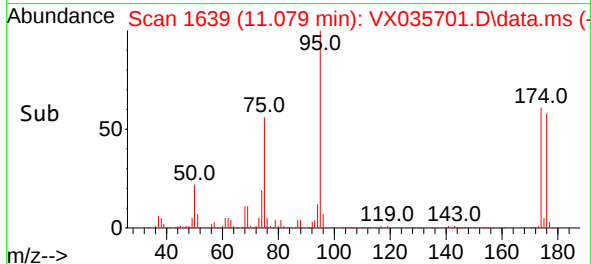
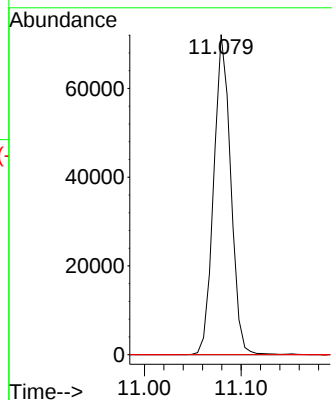
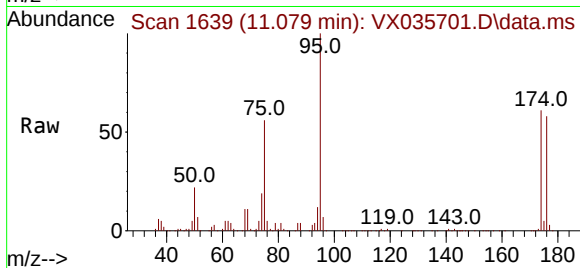




#81
trans-1,4-Dichloro-2-butene
Concen: 90.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

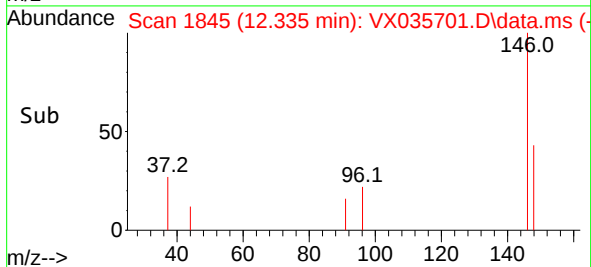
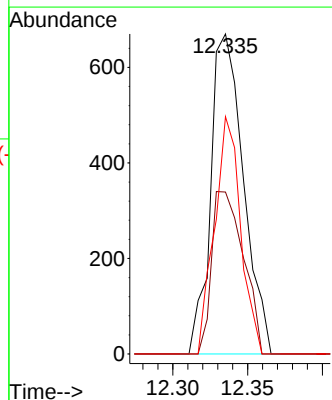
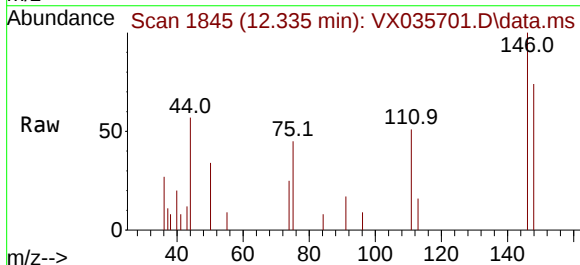
Instrument :
MSVOA_X
ClientSampleId :
003-3

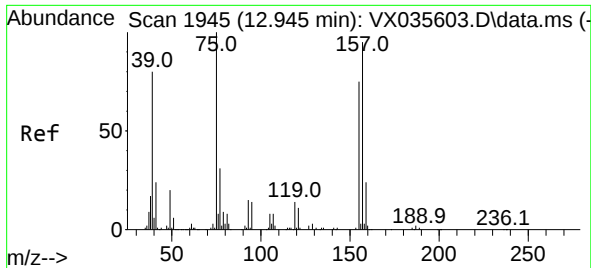
Tgt Ion: 75 Resp: 88118
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#91
1,2-Dichlorobenzene
Concen: 0.224 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035701.D
Acq: 16 May 2023 19:09

Tgt Ion:146 Resp: 1021
Ion Ratio Lower Upper
146 100
111 49.2 22.0 66.0
148 59.0 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.289 ug/l

RT: 12.762 min Scan# 1915

Delta R.T. -0.183 min

Lab File: VX035701.D

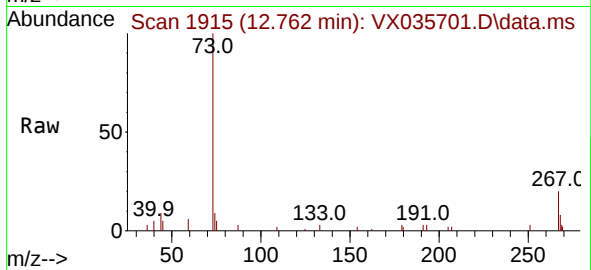
Acq: 16 May 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

003-3



Tgt Ion: 75 Resp: 225

Ion Ratio Lower Upper

75 100

155 0.0 38.4 115.1#

157 0.0 49.9 149.7#

